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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/712,926	11/16/2000	Ulf Mattsson	65738(53142)	2969

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BOSTON, MA 02205

EXAMINER

JACKSON, JENISE E

ART UNIT	PAPER NUMBER
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2131

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	04/06/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

09/712,926

Applicant(s)

MATTSSON ET AL.

Examiner

Jenise E. Jackson

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 March 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 and 16-24 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-9, 16-24 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-9, 16-24 are rejected under 35 U.S.C. 102(b) as being anticipated by Sutter(5,924,094).
3. As per claims 1, 19-22, Sutter discloses a method for altering encryption status in a database (see col. 43, lines 45-55, col. 50, lines 39-44), providing a table in the database, the table including a maintenance area and a base area including a first set of records(see col. 9, lines 10-22), copying the first set or records from the base area to the maintenance area, thereby creating, in the maintenance area, a second set of records(see col. 13, lines 39-60, col. 59, lines 11-25), while altering encryption status of the base area in response to a user instruction to modify data in a record in the first set of records, modifying data in a record in the second set of records in the maintenance area instead of modifying data in any record in the first set of records in the base area(see col. 9, lines 10-22, col. 13, lines 39-60, col. 59, lines 11-25); altering encryption status of the base area; copying the second set of records in the maintenance area to the base area to replace the first set of records, thereby creating, the base area, a third set of records; and then modifying data in a record in the third set of records in the base area(see col. 43, lines 45-55, col. 50, lines 39-44).

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4. As per claim 2, Sutter inherently discloses a trigger, modifying a record in the second set of records is implemented in a trigger which is added to the table(see col. 43, lines 45-55).
5. As per claim 3, Sutter discloses wherein modifying a record in the second set of records including receiving data manipulation language statements(see col. 6, lines 61-66).
6. As per claim 4, Sutter discloses wherein each base area in the database table have a corresponding maintenance area(see col. 3, lines 40-52).
7. As per claim 5, Sutter discloses emptying the maintenance area(see col. 68, lines 64-67, col. 69, lines 4-19).
8. As per claim 6, Sutter discloses emptying the base area before the step of altering(see col. 69, lines 4-19).
9. As per claim 7, and 9, Sutter inherently discloses setting the value of a record in the first set of records to NULL(see col. 43, lines 45-55).
10. As per claim 8, Sutter discloses changing the data type of the base area(see col. 72, lines 6-20).
11. As per claim 16, wherein modifying a record in the third set of records includes receiving data manipulation language(DML)statements(see col. 6, lines 61-66).
12. As per claim 17, Sutter discloses wherein the base area includes a first column of the table and the maintenance area includes a second column of the table(see col. 9, lines 10-22).
13. As per claim 18, Sutter discloses wherein the step of altering encryption status of the base area includes activating encryption means of the base area(see col. 43, lines 45-55, col. 50, lines 39-44).

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14. As per claim 23, Sutter discloses decrypting all data of the first set of records; and copying the decrypted data as the second set of records in the maintenance area(see col. 45, lines 65-67, col. 46, lines 1-20).

15. As per claim 24, Sutter discloses wherein the second set of records is a mirror of the first set of records(see col. 9, lines 5-22).

Response to Amendment

16. The Applicant states that Sutter does not disclose data in a second set of records is modified instead of modifying data in any record in a first set of records while encryption status of a base area is altered. The Examiner disagrees with the Applicant. Sutter discloses IDDB includes means for securing the information transmitted across the application networks(see col. 6, lines 20-22). Since each site may be part of several application networks, the security of each application must be isolated so that each application provider can separately handle the user's permissions, password change requirements, and other security details for application regardless of the user's privileges to other applications running at the same site(see col. 6, lines 20-28). IDDB provides a mechanism whereby a site, working off-line from all others, can create a new record, and therefore a new key. The new keys are generated off-line in such a manner that the generated key is guaranteed to be unique across the entire database(see col. 5, lines 61-67, col. 6, lines 1-4). Sutter discloses IDDB includes means record modification across the database(see col. 6, lines 5-8).

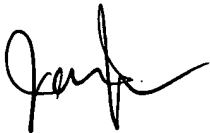
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Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jenise E. Jackson whose telephone number is (571) 272-3791. The examiner can normally be reached on M-Th (6:00 a.m. - 3:30 p.m.) alternate Friday's.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



March 30, 2007



AYAZ SHEIKH
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100